



## برمجة الشبكات

12:00-2:00

13/6/2023

## د/علي حسين احمد

Faculty of Computers & Information, Assiut University

Course code: IT432

4th Level Final Exam

Duration: 2 hours Total Marks: 50

Reviewer: (Add the name)

This exam for the following program(s): (Add the program's name(s))

1

🖫 \* الإسم الرباعي (بالعربي فقط)



2

🖫 \* رقم الجلوس



3
المستوي * المستوي
الاول
الثاني
الثالث (
الرابع 2013
الرابع 2014
الرابع 2015
الرابع 2016
الرابع 2017
الرابع 2018
الرابع 2019
4
البرنامج * البرنامج
عام 🔘
بايو
هندسة
ذکاء صناعی

رقم المعمل \* رقم المعمل

- •ج 🔘
- →
- 0
- ج (
- د ( )
- 0
- 7.
- \_\_\_\_\_
- O . r
- \_\_\_\_\_ iu
- ...μ
- ( ) m
- , μ
- 3أ (

Client

☑ Will be reviewed
9
is the best way to save objects in streams so that we can "send" it any where or even save it immediately $\square$
Serialization
Saving to file
Inserting into database
sending through networks
☑ Will be reviewed
10
Connection oriented Socket obj parameters are:
AddressFamily.InterNetwork
✓ SocketType.Stream
SocketType.Dgram
ProtocolType.Tcp
ProtocolType.Udp
ProtocolType.Raw
터 Will he reviewed

11

The most common managed programming language from Microsoft	
C#.net	
○ VB. net	
C++	
○ JAVA	
☑ Will be reviewed	
12	
Common internet applications 🗔	
Client/server	
Email	
P2P architecture	
Resource distribution (DNS)	
☑ Will be reviewed	
13	
Circuit switched networks are $\square_{\!\scriptscriptstyle{0}}$	
dedicated circuit per call	
performance (guaranteed)	
resources used as needed	

setup required

☑ Will be reviewed
14
The Ip address and port number for common shared hardware in a network are $\Box$
Fixed
preconfigured
Advertised
none of the options are correct
☑ Will be reviewed
15
Identify the output 🗔
Length of simple-types.bin: 29
Length of simple-types.bin: 33
Length of simple-types.bin: 25
Length of simple-types.bin: 17
☑ Will be reviewed
16
Major INTEROPERABILITY advantages

Code Reuse
Eases maintenance, updating of system
Communication
Reliability
☑ Will be reviewed
17
The least significant bits in an ip address represents 🗔
Net ID
✓ Host ID
Class ID
none of the options are correct
☑ Will be reviewed
18
The following are network applications Except
Text, Audio and video chat.
Video broadcast and multicast.
Web browser
Compiler

☑ Will be reviewed
19
Example Socket Blocking Call
RecvFrom()
Recvironity
Bind()
Sendto()
Accept()
20
to use the "using " control structure the type must $\square$
implement the interface IDisposable
implement the interface ICompiler
implement the interface IDisposed
implement the interface Iformatter
☑ Will be reviewed
21
The upper stream is an and the lower is 🖳
Output , input1
input , output

input, input
Output,output
☑ Will be reviewed
22
This pic shows how to use AutoResetEvent , why we are using that during managing threads?
so that we can avoid RACE CONDITION?
to control shared variable between objects
to lock the code
one of the answers are correct
☑ Will be reviewed
23
Example of protocols operates on layer 5 in the OSI Model $\Box$
✓ RPC
XNS
FTP
TCP
☑ Will be reviewed

24

Packet-switched networks are 🗔
dedicated circuit per call
performance (guaranteed)
resources used as needed
setup required
☑ Will be reviewed
25
select the steps that we may need to thread them in this high level view of a multithreaded - responsive GUI server $\square$
Create a socket
Bind the socket
Listen for connections
Accept new client connections
Read/write to client connections
Shutdown connection
☑ Will be reviewed
26
Threads on simple PC run 👊
Concurrently

29

the [OnSerialized()] attribute is to identify the method invoked ...  $\square$ 

After obj Serialization
After obj DeSerialization
Ouring obj Serialization
Ouring obj DeSerialization
☑ Will be reviewed
30
Reads primitive data types as binary values in a specific encoding 🔲
BinaryReader
BinaryWriter
FileStream
StreamReader
☑ Will be reviewed
31
ADAPTER CLASSES are set of classes provided by FCL to support reading and
writing in higher level such as 👊
StreamReader
BinaryReader
FileStream
StreamWriter

☑ Will be reviewed
32
We may need threading during writing network programming to
Improve Application performance
Enable our server to serve multi clients
made our GUI don't freeze
all the answers are correct
☑ Will be reviewed
33
We can receive the broad cast messages by $\square$
using Wireshark
using Ethereal
coding a udp receiver
using browser
☑ Will be reviewed
34
Identify the line number where the compression process is performed $\Box$
✓ line 10
line 11

☑ Will be reviewed
37
helper classes used for socket programming 👊
TcpListener
UdpClient
TcpClient
GzipStream
Will be reviewed
38
The most Basic network Architecture is in terms of setup and cost $\Box_{\!$
Client/server
P2P
☑ Will be reviewed
39
select the steps that we may need to thread them in this high level view of a client $\square$
Create a socket
Setup the server address
Connect to the server

Read/write data	
Shutdown connection	
40	
All of these are Network benefits Except	
Sharing resources	
Load Sharing/utilization	
High reliability	
Enhance Security	
☑ Will be reviewed	
41	
The layers which is uniquely exist to mimic managed code is	(4))
MSIL	
CLR JIT complier	
win32 API	
Windows OS	

This content is created by the owner of the form. The data you submit will be sent to the form owner. Microsoft is not responsible for the privacy or security practices of its customers, including those of this form owner. Never give out your password.

Powered by Microsoft Forms | Privacy and cookies | Terms of use